

**SECRET**

13 February 1956

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Dear George:

It is probable that you may wish to place orders for the 1/2 mil Mylar base magnetic recording tape directly with the manufacturer of this material, and it is the purpose of this note to provide information concerning the manufacturer's address and the specifications that have been developed for the tape.

25X1A The tape is produced by Audio Devices, Inc., whose address is  
25 Parker Avenue, Glenbrook, Connecticut. Apparently [REDACTED]  
[REDACTED] has handled some of our direct contacts with the company.

25X1A

The tape was originally prepared to our Specification No. 112. It may now be secured by ordering from Audio Devices stock No. HCLP-.3-250. A complete set of specifications for this tape is attached. The cost of the tape is \$38.17 per reel of 6500 feet.

The number of reels of tape required for any given operational period may be estimated as being equal to the number of operational flights anticipated during that period plus an amount sufficient to meet ground maintenance and testing requirements. All orders placed heretofore have specified that each reel shall contain a minimum of 6500 feet of tape, this length being sufficient for nine hours and 35 minutes of continuous recording.

Sincerely,

*Burt*

DOCUMENT NO. 2  
Burt  
NO CHANGE IN CLASS. X  
11. DECLASSIFIED  
CLASS. CHANGED TO: TS S C  
NEXT REVIEW DATE: 2012  
AUTH: HR 702  
120032 REVIEWER: O 0956

Enclosure:

Specification for HCLP-.3-250

cc: Harry

P. S. Information just received indicates that Audio Devices would like to produce the tape in lots of 40 reels each.

25X1A

3/5/52

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Approved For Release 2001/03/04 : CIA-RDP81B00878R001400060003-3

miss from the  
normal agency channel for  
stock of for project [REDACTED] PDX

42-20-20-20

## AUDIOTAPE HCLP-.3-250

|                                 |  |
|---------------------------------|--|
| Base Thickness (Mylar 50)       | .0004" Minimum                                 |
| Over-all Thickness              | .0006" Maximum                                 |
| Width                           | .247 plus or minus .0015"                      |
| Length                          | 6500' plus 50' minus 0'                        |
| Tensile                         | 3 lbs. Minimum                                 |
| Quality                         | "EP"   |
| Coercive Force                  | 280 - 310 Oersteds                             |
| Signal-to-Noise Ratio           | 55 db Minimum                                  |
| Saturated Signal-to-Noise Ratio | 58 db Minimum                                  |
| Print-Thru Ratio                | 50 db Minimum                                  |
| Uniformity at any level         |  |
| Reel-to-Reel                    | 7.5 mil Wavelength -<br>plus or minus 1 db     |
|                                 | .5 mil Wavelength -<br>plus or minus 2 db      |
| Within a Reel                   | 7.5 mil Wavelength -<br>plus or minus .5 db    |
|                                 | .5 mil Wavelength -<br>plus or minus 1 db      |
| Splices                         | As few as possible (preferably<br>less than 5) |
| Reel                            | 10-1/2 Fibreglas                               |
| Operating Temperature           | -55° F to 180° F                               |